

Transverse Flux Drive

Abstract of the Disclosure

A transverse flux drive includes a first component and a second component which is rotatable with respect to the first component. A pair of transverse flux motor units are coupled between the first and second components. Each motor unit includes a plurality of U-shaped armature elements which are coupled to the first component and which enclose an circumferentially extending exciter winding. Each motor unit also includes a plurality of permanent magnet pole elements coupled to the second component. The pole elements of one motor are axially movable to attenuate the magnetic flux coupling between the elements of the motor.

10057536.012502